| Exhibit 1 | R-2, RDT&E Budget Item Justification | Date: February 1999 | | |
|-------------------------------|--------------------------------------|--|--|--|
| APPROPRIATION/BUDGET ACTIVITY | R-1 ITEM NOME | R-1 ITEM NOMENCLATURE | | |
| RDTEN/BA4 | Program Element | Program Element (PE) Name and No. Ocean Engineering Development 0603713N | | |

| COST (\$ in Millions) | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | Cost to Complete | Total Cost |
|--------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|------------------|------------|
| Total P.E. Cost | 9.953 | 15.219 | 16.813 | 16.289 | 16.225 | 14.482 | 14.780 | 15.084 | Continuing | Continuing |
| Deep Submergence Biomedical | 3.741 | 4.005 | 3.779 | 3.784 | 3.750 | 3.908 | 3.989 | 4.070 | Continuing | Continuing |
| Development/S0099 | | | | | | | | | | |
| Shallow Depth Diving Equipment/S0394 | 6.212 | 11.214 | 13.034 | 12.505 | 12.475 | 10.574 | 10.791 | 11.014 | Continuing | Continuing |
| Quantity of RDT&E Articles & cost | | | | | | | | | | |

- A. Mission Description and Budget Item Justification: Developments in this program will enable the U.S. Navy to overcome deficiencies that constrain underwater operations in the areas of search, location, rescue, recovery, salvage, construction, and protection of offshore assets. This program develops medical technology, diver life support equipment, and the vehicles, systems, and tools to permit manned underwater operations.
- B. Program Change Summary:

| | <u>FY 1998</u> | FY 1999 | FY 2000 |
|---|----------------|---------|---------|
| FY 1999 President's Budget: | 10.283 | 15.257 | 17.103 |
| Appropriated Value: | 12.658 | 15.257 | |
| Adjustment to FY 1998 Appropriated Value/ | | | |
| FY 1999 President's Budget: | -2.705 | 038 | 290 |
| FY 2000/01 PRES Budget Submit: | 9.953 | 15.219 | 16.813 |

Funding: The FY 98 decrease of \$2.705M results from the 62207 FY 98 SBIR Reduction (\$263K), 62371 DD1002: April 1998 Update Reduction (\$32K), 64022 BTR Issue Addition (\$23K), 64543 FY 1998 Update Reduction (\$58K), Undistributed Reduction (\$375K), and Shallow Water Diving Equipment Reprogramming (\$2,000). The FY 99 decrease of \$0.038M results from the 64128 Sec. 8108 Revised Economic Assumption Reduction (\$35K) and 64231 Civilian Personnel Underexecution Reduction (\$3K). The FY 00 decrease of \$0.290M results from the 62288 Outsourcing Adjustment Reduction (\$30K), 66547 PBD 604: Non Pay Inflation Reduction (\$244K) and 66748 Additional Inflation Reduction (\$16K).

EX 2000

The FY 98 decrease of \$2.647M results from the 62207 FY 98 SBIR Reduction (\$263K), 62371 DD1002: April 1998 Update Reduction (\$32K), 64022 BTR Issue Addition (\$23K) and.

EX 1000

Schedule: Not applicable.

Technical: Not applicable.

R-1 Item No 60 - 1 of 60 - 11

| | Exhibit R-2a, RDT&E Project Justification | | Date: February 1999 |
|-------------------------------|---|--|---------------------|
| APPROPRIATION/BUDGET ACTIVITY | Program Element Name & No. | Project Name and Number. | |
| RDTEN/BA4 | Ocean Engineering Development 0603713N | Deep Submergence Biomedical Development/S009 | 9 |

| Cost (\$ in Millions) | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | Cost to Complete | Total Cost |
|-----------------------|---------|---------|---------|---------|---------|---------|---------|---------|------------------|------------|
| Project Cost | 3.741 | 4.005 | 3.779 | 3.784 | 3.750 | 3.908 | 3.989 | 4.070 | Continuing | Continuing |
| RDT&E Articles Qty | | | | | | | | | | |

A. Mission Description and Budget Item Justification: Develops advanced biomedical/bioengineering technology for enhancing medical and life support for submarine escape and rescue; and for diver safety and effectiveness; supports deeper, longer, safer, more flexible dives. Deliverables include: a) exposure guidance for DISSUB atmospheric contaminants, underwater continuous and impulsive noise, underwater blast, oxygen breathing, and diving depth/time profiles; b) medical procedures for life support on DISSUB, submarine escape and rescue (including new Submarine Rescue Diving and Recompression System, SRDRS), prevention and treatment of decompression illness, c) technologies to assess underwater noise and DISSUB life support parameters; enable non-chemical CO2 scrubbing; predict decompression risk in diving; provide DISSUB senior survivor with expert decision system, and enhance underwater swimming efficiency. Requirements: NAPDD #429-873, Deep Submergence Biomedical Development, 29 March 95.

Program Accomplishments and Plans:

FY 1998 Accomplishments:

- (\$2.901) Plan for Diver Health and Safety Research: Validate nitrox decompression tables for 1.3 Atmosphere Absolute (ATA) Oxygen. Develop models to predict decompression stress from available data from human and animal diving database. Identify the effect of increased partial pressure of oxygen on incidence of decompression sickness. Define variables required to calculate optimal decompression procedures. Develop tables of pulmonary and Central Nervous System (CNS) oxygen toxicity and identify methods to prevent CNS oxygen toxicity, extend disabled submarine crew survival time. Using pig and sheep models of decompression sickness, investigate risk associated with delay of recompression on air divers. Investigate alternative decompression protocols for air saturated divers with emphasis on the early/aggressive use of oxygen. Validate existing procedures for surface decompression using oxygen.
- (\$.480) Plan for Submarine Rescue: Investigate non-electrical methods for improvement of carbon dioxide scrubbing efficiency; review/extend 24 hour limits for contaminant exposure in disabled submarine environments, develop submarine escape and rescue algorithm, perform functional testing of submarine atmosphere monitoring equipment in a disabled submarine environment.
- (\$.360) Plan for Underwater Sound: Develop dive site capability to measure underwater sound exposure. Deliver standards for exposure to non-impulsive underwater sound. Deliver unmanned underwater tool noise procedures.

R-1 Item No 60 - 2 of 60 - 11

| | Exhibit R-2a, RDT&E Project Justification | Date: February 1999 | | |
|-------------------------------|---|---|--|--|
| APPROPRIATION/BUDGET ACTIVITY | Program Element Name & No. | Project Name and Number. | | |
| RDTEN/BA4 | Ocean Engineering Development 0603713N | Deep Submergence Biomedical Development/S0099 | | |

FY 1999 Plan:

- (\$2.049) Plan for Diver Health and Safety Research: Deliver integrated set of diving decompression tables for air and nitrox. Develop methods to record variables (e.g. time, depth, water temp, decompression stress) during operational dives. Deliver tables of pulmonary and CNS oxygen toxicity and identify methods to prevent CNS oxygen toxicity. Develop one-atmosphere treatment protocols for decompression sickness using large animals. Develop adjustable, non-tethered diver thermal protection garment specifications; issue guidance for swimming efficiency. Deliver dive site capability to measure underwater sound exposure. Develop procedures for assessing underwater blast/impulse noise hazards; identify underwater acoustic threats to divers and develop strategy to protect divers; issue standardized tool noise assessment instruction.
- (\$1.956) Plan for Submarine Rescue: Deliver Submarine escape and rescue Senior Survivor Expert decision aid (SEAREX) hardware & software, plus training recommendations for class SSN 688. Determine impact of hypothermia on crew survival in disabled submarine, refine estimates of crew escape time in disabled submarine scenario by actual trial, publish effects of low oxygen and high carbon dioxide on oxygen consumption; publish new guidance for passive CO2 scrubbing on DISSUB. Continue work on nitrox decompression and efforts to develop alternative decompression protocol for air saturated divers (DISSUB survivors) in DSRV and SRDRS described in FY98 Accomplishments

FY 2000 Plan:

- (\$1.879) Plan for Diver Health and Safety Research: Develop new underwater thermal protection garments. Develop guidance for acceptable underwater breathing apparatus respiratory loads present in combination. Produce diving at altitude decompression tables. Deliver validated scaling procedures from animals to humans for decompression. Conduct manned test of one-atmosphere treatments for decompression sickness with divers. Determine damage risk thresholds for underwater blast/impulse noise. Develop protective materials and procedures against underwater sound threats to divers.
- (\$1.900) Plan for Submarine Rescue: Deliver SEAREX and Guard Book package for SSBN 726 class. Issue DISSUB atmosphere contaminant exposure guidance. Deliver new markers for re-entry into fire-contaminated spaces. Publish revised Pressurized Submarine Rescue Manual. Develop guidance for decompression in SRDRS. Provide alternative to electrically-powered or passive CO2 scrubbing.

R-1 Item No 60 - 3 of 60 - 11

| | | Date: February 1999 | | |
|-------------------------------|--|--|---|--|
| APPROPRIATION/BUDGET ACTIVITY | Program Element Name & No. | Project Name and Number. | | |
| RDTEN/BA4 | Ocean Engineering Development 0603713N | Deep Submergence Biomedical Development/S009 | 9 | |

B. Other Program Funding Summary: Not applicable.

Related RDT&E: Not Applicable.

- C. Acquisition Strategy: Integrated thrust area teams (e.g. decompression research) are established with university, commercial and in-house Navy lab to jointly execute biomedical R&D; peer review of research proposals accomplished by independent Technical Advisory Board; annual review of progress by Executive Review Board (CNO/NAVSEA/ONR/BUMED); program management by 0-6 Medical Dept Officer; contracting by competitive process using BAA and leveraging ONR capabilities.
- D. Schedule Profile: Not applicable

R-1 Item No 60 - 4 of 60 - 11

| APPROPRIATION/BUDGET ACTIVITY RDTEN/BA4 | Y | | | Date: February 1999 | | | | | | | | | |
|--|----------|------------|--|---------------------------------|----------|------|-------|------|---|-------------------------|----------|----------|--|
| | | | PROGRAM EL | PROGRAM ELEMENT NAME AND NUMBER | | | | | | PROJECT NAME AND NUMBER | | | |
| | | | Ocean Engineering Development 0603713N | | | | | | Deep Submergence Biomedical Development/S0099 | | | | |
| | | | | | | | | | | | | | |
| Cost Categories | Contract | Performing | Total | | FY99 | | FY00 | | FY01 | | | Target | |
| (Tailor to WBS, or System/Item | Method | Activity & | <u>PYs</u> | FY99 | Award | FY00 | Award | FY01 | Award | Cost To | Total | Value of | |
| Requirements) | & Type | Location | Cost | Cost | Date | Cost | Date | Cost | Date | Complete | Cost | Contract | |
| Primary Hardware Development | | | | | | | | | | | | | |
| Ancillary Hardware Development | | | | | | | | | | | | | |
| Systems Engineering | | | | | | | | | | | | | |
| Licenses | | | | | | | | | | | | | |
| Tooling | | | | | | | | | | | | | |
| GFE | | | | | | | | | | | | | |
| Award Fees | | | | | | | | | | | | | |
| Subtotal Product Development | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Development Support Equipment | | | | 1 | <u> </u> | | | | T | | <u> </u> | | |
| Development Support Equipment Software Development | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Software Development | | | | | | | | | | | | | |
| Software Development Training Development | | | | | | | | | | | | | |
| Software Development Training Development Integrated Logistics Support | | | | | | | | | | | | | |
| Software Development Training Development Integrated Logistics Support Configuration Management | | | | | | | | | | | | | |
| Software Development Training Development Integrated Logistics Support Configuration Management Technical Data | | | | | | | | | | | | | |

R-1 Item No 60 - 5 of 60 - 11

Exhibit R-3 Project Cost Analysis (Exhibit R-3, Page 5 of 11)

| Exhibit R-3 Cost Analysis | Exhibit R-3 Cost Analysis | | | | | | | | Date: February 1999 | | | |
|--------------------------------------|---------------------------|------------|---------------|------------|-----------|---------|---|-----|---------------------|-------------|------------|----------|
| APPROPRIATION/BUDGET ACTIVIT | ГҮ | | PROGRAM EI | EMENT I | NAME AN | D NUMBE | ER | | PROJECT NA | AME AND NUN | /IBER | |
| RDTEN/BA4 | | | Ocean Enginee | ring Devel | opment 06 | 03713N | Deep Submergence Biomedical Development/S0099 | | | | | |
| | | | | | | | | | | | | |
| Cost Categories | Contract | Performing | Total | | FY99 | | FY00 | | FY01 | | | Target |
| (Tailor to WBS, or System/Item | Method | Activity & | PYs | FY99 | Award | Fy00 | Award | FY(| | Cost To | Total | Value of |
| Requirements) | & Type | Location | Cost | Cost | Date | Cost | Date | Cos | t Date | Complete | Cost | Contract |
| Developmental Test & Evaluation | | | | | | | | | | | | |
| Operational Test & Evaluation | | | | | | | | | | | | |
| Tooling | | | | | | | | | | | | |
| GFE | | | | | | | | | | | | |
| Subtotal T&E | | | | | | | | | | | | |
| Remarks: Not Applicable. | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Contractor Engineering Support | | | | | | | | | | | | |
| Government Engineering Support | | | | | | | | | | | | |
| Program Management Support | WR | NEDU | 3.741 | 4.005 | | 3.779 | | | | Continuing | Continuing | |
| Program Management Personnel | | | | | | | | | | | | |
| Travel | | | | | | | | | | Continuing | Continuing | |
| Labor (Research Personnel) | | | | | | | | | | Continuing | Continuing | |
| Overhead | | | | | | | | | | | | |
| Subtotal Management | | | 3.741 | 4.005 | | 3.779 | | | | Continuing | Continuing | |
| Remarks: Not Applicable. | • | | • | | | | | | , | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Total Cost | | | 17.752* | 4.005 | 1 | 3.779 | | | 1 | Cantinaina | C | 1 |
| | : D : . 146 | 1000 | 17.732* | 4.005 | | 3.779 | | | | Continuing | Continuing | |
| Remarks: * Prior to FY98, funds were | in Project MC | 1099. | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

R-1 Item No 60 - 6 of 60 - 11

Exhibit R-3 Project Cost Analysis (Exhibit R-3, Page 6 of 11)

UNCLASSIFIED

| | Date: February 1999 | | |
|-------------------------------|--|--------------------------------------|--|
| APPROPRIATION/BUDGET ACTIVITY | Program Element Name & No. | Project Name and Number. | |
| RDTEN/BA4 | Ocean Engineering Development 0603713N | Shallow Depth Diving Equipment/S0394 | |

| Cost (\$ in Millions) | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | Cost to Complete | Total Cost |
|-----------------------|---------|---------|---------|---------|---------|---------|---------|---------|------------------|------------|
| Project Cost | 6.212 | 11.214 | 13.034 | 12.505 | 12.475 | 10.574 | 10.791 | 11.014 | Continuing | Continuing |
| RDT&E Articles Qty | | | | | | | | | | |

A. Mission Description and Budget Item Justification: This project is to develop systems to support submarine escape and rescue missions, and conventional diver operations. Diver operations include ship husbandry, salvage/recovery, and submarine rescue operations to support national, as well as, Navy needs around the world. Modern certifiable diving systems that ensure diver safety and allow maximum work efficiency will replace currently antiquated systems. Efforts are currently focused on the Submarine Rescue Diving and Recompression System (SRDRS) to provide a new rapidly deployed emergency submarine rescue capability. SRDRS will fill the gap created by the decommissioning of USS PIGEON (ASR 21) and USS ORTOLAN (ASR 22) and provide a new capability of pressurized transportation of rescuees from a stricken submarine directly to the decompression system eliminating the requirement for Deep Submergence Rescue Vehicles, Mother Submarines and Submarine Rescue Chambers. SRDRS is to include an air transportable rapid assessment/underwater work system, a decompression chamber system and a pressurized rescue module. The SRDRS will provide a global rapid response capability to support submarine rescue missions with an increase in capability at a fraction of the cost of the currently available systems.

Program Accomplishments and Plans:

FY 1998 Accomplishments:

• (\$6.212) Submarine Rescue Diving and Recompression System: Continue acquisition of and acceptance testing of the prototype Assessment/Underwater Work System. Award contract for fabrication of prototype Submarine Decompression System. Complete preliminary design of Pressurized Rescue Module.

FY 1999 Plan:

- (\$11.171) Submarine Rescue Diving and Recompression System: Complete acquisition of and continue acceptance testing of the prototype assessment/Underwater Work System. Continue fabrication of the prototype Submarine Decompression System. Solicit for detailed design and fabrication of the Pressurized Rescue Module. Complete design and award contract for Submarine Decompression System support equipment.
- (\$0.258) Portion of extramural program is reserved for Small Business Innovation Research assessment in accordance with 15 USC 638.

| FY | 2000 | Plan: |
|----|------|-------|
| | | |

R-1 Item No 60 - 7 of 60 - 11

| | Exhibit R-2a, RDT&E Project Justification | | Date: February 1999 |
|-------------------------------|---|--------------------------------------|---------------------|
| APPROPRIATION/BUDGET ACTIVITY | Program Element Name & No. | Project Name and Number. | |
| RDTEN/BA4 | Ocean Engineering Development 0603713N | Shallow Depth Diving Equipment/S0394 | |

- (\$13.034) Submarine Rescue Diving and Recompression System: Complete acceptance testing of the prototype Assessment/Underwater Work System. Complete fabrication and acceptance testing of the prototype Submarine Decompression System and support equipment. Complete contract award for detailed design and fabrication of prototype Pressurized Rescue Module.
- B. Other Program Funding Summary: Not applicable.

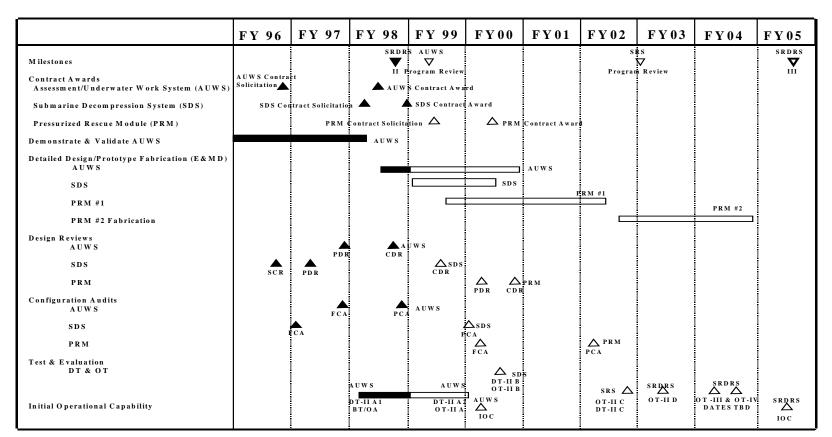
Related RDT&E: Not Applicable.

C. Acquisition Strategy: The Atmospheric Diving Suit (ADS) Segment of the SRDRS is a Non-Developmental Item (NDI) which is procured via a sole source contract. The Submarine Rescue System (SRS) segment of the SRDRS is largely based on the use of Commercial-Off—the-Shelf (COTS) technology and maximum use of Non-Developmental Items (NDI). The SRS segment is being procured using performance based specifications. The SRS contracts will be awarded competitively and will be based on technical capability and cost considerations (best value). Program Management of SRDRS is accomplished through the use of SEA 00C leadership of an Integrated Product Team (IPT). The Prototype system will provide full operational capability and no additional procurement is planned. The system is designed to be a Government Owned/Commercially Operated (GO/CO).

R-1 Item No 60 - 8 of 60 - 11

| | Exhibit R-2a, RDT&E Project Justification | | Date: February 1999 |
|-------------------------------|---|--------------------------------------|---------------------|
| APPROPRIATION/BUDGET ACTIVITY | Program Element Name & No. | Project Name and Number. | |
| RDTEN/BA4 | Ocean Engineering Development 0603713N | Shallow Depth Diving Equipment/S0394 | |

D. Schedule Profile:



SRDRS Milestone Schedule

R-1 Item No 60 - 9 of 60 - 11

| Exhibit R-3 Cost Analysis | Date: February 1999 | | | | | | | | | | | |
|---|---------------------|------------|--|--|------|--|------|--|---|--|--|--------|
| APPROPRIATION/BUDGET ACTIVITY RDTEN/BA4 | | | PROGRAM ELEMENT NAME AND NUMBER Ocean Engineering Development 0603713N | | | | | | PROJECT NAME AND NUMBER Shallow Depth Diving Equipment/S0394 | | | |
| | | | | | | | | | 1 | | | |
| Cost Categories | Contract | Performing | Total | | FY99 | | FY00 | | FY01 | | | Target |

| Cost Categories | Contract | Performing | Total | | FY99 | | FY00 | | FY01 | | | Target |
|--------------------------------|----------|---------------|------------|--------|-------|--------|-------|------|-------|------------|------------|----------|
| (Tailor to WBS, or System/Item | Method | Activity & | <u>PYs</u> | FY99 | Award | FY00 | Award | FY01 | Award | Cost To | Total | Value of |
| Requirements) | & Type | Location | Cost | Cost | Date | Cost | Date | Cost | Date | Complete | Cost | Contract |
| Primary Hardware Development | WR | CSS | 16.259 | 1.960 | 12/98 | | | | | | 18.219 | |
| | CPAF | Oceaneering | 9.078 | | | | | | | | 9.078 | 9.078 |
| | RC | NAVFAC | .900 | 2.340 | 12/98 | | | | | | 1.950 | |
| | Various | Miscellaneous | 2.446 | 4.238 | | 10.619 | | | | Continuing | Continuing | |
| Ancillary Hardware Development | | | | | | | | | | | | |
| Systems Engineering | CPAF | Oceaneering | | 1.384 | 12/98 | | | | | | 1.384 | 1.384 |
| | Various | Miscellaneous | | | | 0.920 | | | | Continuing | Continuing | |
| Licenses | | | | | | | | | | | | |
| Tooling | | | | | | | | | | | | |
| GFE | | | | | | | | | | | | |
| Award Fees | | Oceaneering | .597 | .112 | 12/98 | | | | | | .709 | .709 |
| Subtotal Product Development | | | 29.280 | 10.034 | | 11.539 | | | | Continuing | Continuing | |
| Remarks: Award Fees are 6%. | | | | | | | | | | | | |
| Development Support Equipment | | | | | | | | | | | | |
| Software Development | | | | | | | | | | | | |
| Training Development | | | | | | | | | | | | |
| Integrated Logistics Support | Various | Miscellaneous | | .080 | | .070 | | | | Continuing | Continuing | |
| Configuration Management | Various | Miscellaneous | | .010 | | .015 | | | | Continuing | Continuing | |
| Technical Data | Various | Miscellaneous | | .010 | | .020 | | | | Continuing | Continuing | |
| GFE | | | | | | | | | | | | |
| Subtotal Support | | | | .100 | | .105 | | | | Continuing | Continuing | |
| Remarks: | • | • | • | • | • | • | • | - | • | • | • | • |

Remarks:

R-1 Item No 60 - 10 of 60 - 11

Exhibit R-3 RDT&E Project Cost Analysis (Exhibit R-3, Page 10 of 11)

UNCLASSIFIED

Exhibit R-3 Cost Analysis

| Zimer it b cost i murjois | | | | | | | PROJECT NAME AND NUMBER | | | | | |
|--------------------------------------|----------------|-------------------|--------------------|-------------------|-------------|------------|--------------------------------------|------|------|------------|------------|----------|
| APPROPRIATION/BUDGET ACTIVITY | | | PROGRAM E | | | | | | | | | |
| RDTEN/BA4 | | Ocean Enginee | ering Devel | opment 060 |)3713N | | Shallow Depth Diving Equipment/S0394 | | | | | |
| | • | | • | | | | | | | • | | |
| Cost Categories | Contract | Performing | Total | | FY99 | | FY00 | | FY01 | | | Target |
| (Tailor to WBS, or System/Item | Method | Activity & | PYs | FY99 | Award | Fy00 | Award | FY01 | | Cost To | Total | Value of |
| Requirements) | & Type | Location | Cost | Cost | Date | Cost | Date | Cost | Date | Complete | Cost | Contract |
| Developmental Test & Evaluation | Various | Miscellaneous | .529 | .100 | | .100 | | | | Continuing | Continuing | |
| Operational Test & Evaluation | Various | Miscellaneous | | .200 | | .250 | | | | Continuing | Continuing | |
| Tooling | | | | | | | | | | | | |
| GFE | | | | | | | | | | | | |
| Subtotal T&E | | | .529 | .300 | | .350 | | | | Continuing | Continuing | |
| Remarks: | | | | | | | | | | | | |
| Contractor Engineering Support | Various | Miscellaneous | * | .448 | | .680 | | 1 | 1 | Continuing | Continuing | 1 |
| | WR | NFESC | * | .172 | 12/98 | .200 | | - | | Ū | | |
| Government Engineering Support | WK | NFESC | * | .172 | 12/98 | .200 | | - | | Continuing | Continuing | |
| Program Management Support | | | | | | | | - | | | | |
| Program Management Personnel Travel | | | | .060 | | .060 | | | | G .: : | G .: : | |
| | | | 452 | | | | | | | Continuing | Continuing | |
| Labor (Research Personnel) | | | .453 | .100 | | .100 | | | | Continuing | Continuing | |
| Overhead | | | * 452 | 700 | | 1.040 | | | | G .: : | G ii i | |
| Subtotal Management | | | * .453 | .780 | | 1.040 | | | | Continuing | Continuing | |
| Remarks: *Prior years Contractor and | i Government E | engineering suppo | ort is included in | г птагу на | irdware Dev | veiopment. | | | | | | |
| Total Cost | | | 30.262 | 11.214 | | 13.034 | | | | Continuing | Continuing | |
| Remarks: | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

R-1 Item No 60 - 11 of 60 - 11

Exhibit R-3 RDT&E Project Cost Analysis (Exhibit R-3, Page 11 of 11)

Date: February 1999

UNCLASSIFIED